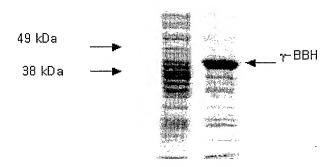
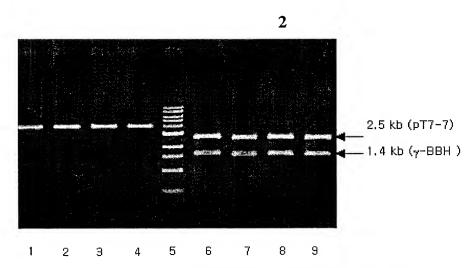
WO 2005/083089 PCT/KR2005/000532

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Lane 1 : Protein molecular size marker, Lane 2 : E.coli BL21 w/o g -BBH gene, Lane 3 : E.coli BL21 w/ g -BBH gene and induced by 1mM IPTG



Lane1~4:pT7-7 + g-BBH plasmid digested with Nde I Lane 5: 1kb DNA ladder Lane 6~9: pT7-7 + g-BBH plasmid digested with Nde1 and Sal I

WO 2005/083089 PCT/KR2005/000532

2/3

3

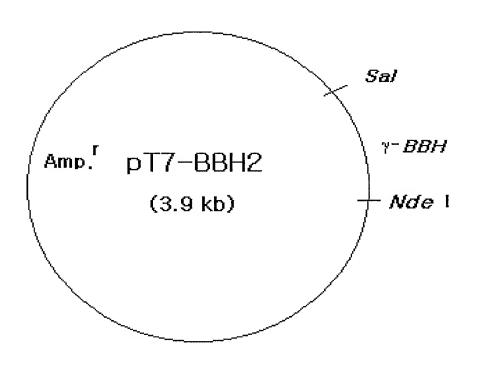
## CLUSTAL W (1.82) multiple sequence alignment

Human rat pseudomonas N.crassa	MACTIQKAEALDGAHLMQILWYDEEESLYPAYWLRDNCPCSDCYLDSAKARK 52MHCAILKAEAYDGARLMQIFWHDGAESLYPAYWLRDNCQCSDCYLHSAKARK 52 NAIADYRTFPLISPLASAASFASGVSVTWADGRVSPFHNLWLRDNCPCGDCVYEVTREQV 60MATAAYQVSVPAPYGQPDIGYAPDHDKYLARYKRRRENEKLESSLPPG 48 : : : : : : : : : : : : : : : : : : :
Human rat pseudomonas N.crassa	LLVEALDYNIGIKGLIFDRK-KYYITWPDEHYSEFQADWLKKRCFSKQARAKLQRELFFP 111 LLLEALDYNIRMDDLTFDQK-KYYITWPNGHYSEFEANWLKKRCFSQEARAGLQGELFLP 111 FLYADYPEDIQYQAYTIGDDGRLVVQWDDGHASAYHPGWLRAHAYDAQSLAEREAARP 118 -FPRRLDSDLVWDGNTLAETYDWTYRLTEEAIDEIEAALRHFKSLNKPLGYINQETFPLP 107 : ::: : *
Human rat pseudomonas N.crassa .	ECQYWGSELQLPTLDFEDVLRYDEHAYKWLSTLKKYGIYRLTGASDKPGEVSKLGKRMGF 171 ECQYWGSELQLPTLNFEDVLNDDDHAYKWLSSLKKYGIYRLTGAADKRGEIIKLGKRIGF 171 HKHRWMQGLSLPYYDHGAYMQDDDTLLEWLLAYRDVGLTQLHGYPTEPGALIPLAKRISF 178 RLHHTLRSLSHELHHGHGFKYLRGLPYTSHTREENIIIYAGYSSHYAPIRGRQDNQ-H 164 .: *: *:
Human rat pseudomonas N.crassa	LYLTFYGHTWQVQDKIDANNVAYTTGKLSFHTDVPALHHPPG-VQLLHCIKQTVTGGDSE 230 LYLTFYGHTWQVQDKIDANNVAYTTGKLSFHTDVPALHHPPG-VQLLHCIKQTVTGGDSE 230 IRESNFGYLFDVRSKADADSNAYTAFNLPLHTDLPTRELQPG-LQFLHCLVNDATGGNST 237 NGHPADVYLAHIKDLSTTVSDVSKIGAPAYTTEKQVFHTDAGDIVALFCLGEAAEGGQSY 224 .::.:
Human rat pseudomonas N.crassa	IVDGFNYCQKLKKNNPQAFQILSS-TFVDFTDIGYDYCDFSVQSKHKIIELDDK 283 IVDGFNYCQKLKEKNPQAFSILSS-TFVDFTDIGYDYCDFSVQSKHKIIELDDK 283 FVDGFAIAEALRIEAPAAYRLLCETPVEFRNK
Human rat pseudomonas N.crassa	GQYVRINFNNATRDTIFDVP-VERVQPFYAALKEFYDLMNSKESKFTFKMNPGDVITF 340 GQVVRINFNNATRDTVFDVP-IERVQPFYAALKEFVDLMNSKEYKYTFKMNPGDVITF 340 GEVREIRLANFLR-APFQMD-AQRMPDYYLAYRRFIQMTREPRFCFTRRLEAGQLWCF 343 SERLIIQYARRFTGYWGLPRSADIPPITEAQAEALDALHFTAEKYAVALDFRQGDVQFV 344 .: * . : : : : : : : : : : : : : : : :
Human rat pseudomonas N.crassa	DNWRLLHGRRSYEAGTEISRHLEGAYAD
Human rat pseudomonas N.crassa	RQRYENGN 387 RQRYMNGN 387 QR 383 EPQ1RSASKGESYGTQGGGGY 425

(Sequences were aligned using the European Bioinformatics Institute (EMBL-EBI) sequence analysis program, clustalW.)

WO 2005/083089 PCT/KR2005/000532

3/3



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$$\begin{array}{c} O \\ O \\ O \\ O \\ CH_3 \\ \end{array}$$
 
$$\begin{array}{c} CH_3 \\ CH_3 \\ \end{array}$$
 
$$\begin{array}{c} CH_3 \\ \end{array}$$